

CCR Eighth Annual Fellows and Young Investigators Colloquium
March 3 ~ 5, 2008, Clarion Fontainebleau Hotel in Ocean City, MD

PROGRAM

Monday, March 3, 2008

- 2:00 p.m. **Registration and Mentored Dinner Sign-up** (*Crystal Ballroom Foyer*)
- Poster Session I Setup** (*Crystal Ballroom II*)
- 3:00 p.m. **Plenary Session I** (*Crystal Ballroom I*)
- Opening Remarks and CCR-FYI Overview**
 Jordan Irvin, Ph.D., Chair, CCR-FYI Steering Committee
- Update on the National Postdoctoral Association (NPA)**
 Alyson Reed, Ph.D., National Postdoctoral Association
- FelCom Overview**
 Jennifer Shen, Ph.D., Surgery Branch, CCR, NCI
- 3:45 p.m. **CCR Office of the Director Address/Open Forum**
 Jonathan Wiest, Ph.D., Associate Director for Training and Education, CCR, NCI
 Mark Udey, M.D., Deputy Director, CCR, NCI
 Moderators: Jordan Irvin, Ph.D., and Tim Chan, Ph.D.
- 4:30 p.m. **Postdoctoral Keynote Speaker: “The Biology, Chemistry, and Development of Drugs that Selectively Kill Multidrug-Resistant Cancer Cells”**
 Matthew Hall, Ph.D., Laboratory of Cell Biology, CCR, NCI
 Moderators: Swati Choksi, Ph.D., and Veronica Hall, Ph.D.
- 5:15 p.m. **Postdoctoral Keynote Speaker: “Lessons Learned from Molecular Profiling of Hepatocellular Carcinoma”**
 Anuradha Budhu, Ph.D., Laboratory of Human Carcinogenesis, CCR, NCI
 Moderators: Elena Ambrosino, Ph.D., and Kwang Suh, Ph.D.
- 5:30 p.m. **Mentored and General Dinner** (*Grand Ballroom – First Floor*)
- 7:00 p.m. **Keynote Speaker I: “MicroRNAs and Human Cancer”**
 Carlo Croce, M.D., College of Public Health, Ohio State University Comprehensive Cancer Center
 Moderators: Ram Savan, Ph.D., and Jennifer Shen, Ph.D.
- 8:30 p.m. **Poster Session I** (*Crystal Ballroom II*)
 Molecular and Cell Biology I
 Pharmacology, Virology and Chemistry
 Carcinogenesis, Cancer Models, Epidemiology and Cancer Prevention
 Genomics, Proteomics, and Bioinformatics
- Career Fair** (*Conference Rooms 1-3*)
 Informal Mixer (*Crystal Ballroom Foyer*)
 Mentored Meal Sign-up (*Crystal Ballroom Foyer*)

Tuesday, March 4, 2008

7:00 a.m. **Continental Breakfast** (*Crystal Ballroom Foyer*)
Registration Open

Poster Session II Setup (*Crystal Ballroom II*)

8:00 a.m. **Plenary Session II** (*Crystal Ballroom I*)

Keynote Speaker II: “HPV Vaccines and Other Interventions to Prevent Cervical Cancer”

John Schiller, Ph.D., Laboratory of Cellular Oncology, CCR, NCI

Moderators: Tim Chan, Ph.D., and Michal Legiewicz, Ph.D.

9:00 a.m. **Break**

9:30 a.m. **Concurrent Workshops I**

1. CV Critique, Interviewing, and Negotiating Skills for the Job Seeker (*Crystal Ballroom I*)

Stephen Gallison, Professional Outplacement Assistance Center of Maryland

Scott Morgan, Premier Public Speaking, Inc.

Jill Sugden, SAIC-Frederick, Inc.

Dennis Klinman, M.D., Laboratory of Experimental Immunology, CCR, NCI

Moderators: Maria Manzoni, Ph.D., and Michaela Wendeler, Ph.D.

2. Grant Writing for the Young Investigator and the Postdoctoral Fellow

(*Conference Rooms 4–6*)

Robert Bird, Ph.D., Resources and Training Review Branch, NCI

Chandravanu Dash, Ph.D., HIV Drug Resistance Program, CCR, NCI

John T. Fourkas, Ph.D., University of Maryland, College Park

Jonathan Dinman, Ph.D., University of Maryland, College Park

Moderators: Gonzalo de la Rosa, Ph.D., and Poonam Tewary, Ph.D.

11:30 a.m. **Mentored and General Lunch** (*Grand Ballroom – First Floor*)

1:00 p.m. **Plenary Session III** (*Crystal Ballroom I*)

Keynote Speaker III: “Role of TLR4 in Disease”

Stefanie Vogel, Ph.D., University of Maryland School of Medicine

Moderators: Selinda Orr, Ph.D., and Jill Ford, Ph.D.

2:00 p.m. **Break**

2:15 p.m. **Concurrent Oral Presentations I [order of presenters is subject to change]**

1. Pharmacology, Virology, and Chemistry (*Conference Room 4*)

Moderators: Maria Manzoni, Ph.D., and Michal Legiewicz, Ph.D.

Suneet Shukla, Laboratory of Cell Biology

A Novel Multidrug Resistance Protein, MRP4, Confers Resistance to BCR-ABL Tyrosine Kinase Inhibitor Nilotinib

George Lountos, Macromolecular Crystallography Laboratory

Crystal Structure of Human Checkpoint Kinase 2 in Complex with a Potent and Selective Inhibitor

Joshua Thomas, Laboratory of Medicinal Chemistry

A Trifunctional Reactive Linker for the Construction of Antibody-Drug Hybrids

Andrew Jobson, Laboratory of Molecular Pharmacology
Identification and Characterization of Putative Chk2 Inhibitors

Yong-Wei Zhang, Laboratory of Molecular Pharmacology
The Marine Compound Lasonolide A Is a Potent Inducer of Premature Chromosome Condensation and Inhibitor of Cell Adhesion

2. Carcinogenesis, Cancer Models, Epidemiology, and Cancer Prevention (Captain's Quarters)

Moderators: Jill Ford, Ph.D., and Krista Zanetti, Ph.D.

Luhua Zhang, Cell and Cancer Biology Branch
In Vivo Imaging of Brain Metastasis Development and the Effects of Anti-Angiogenic Treatment

Aaron Schetter, Laboratory of Human Carcinogenesis
MicroRNA Expression Is Associated with Colon Adenocarcinoma and Predicts Prognosis and Therapeutic Outcome

Sichuan Xi, Laboratory of Cancer Prevention
Lsh-Mediated DNA Methylation Controls PcG Silencing During Development

Tiffany Wallace, Laboratory of Human Carcinogenesis
Gene Expression Profiling Reveals Tumor Immunobiological Differences in Prostate Cancer Between African American and European American Men

Erik Tokar, Laboratory of Comparative Carcinogenesis
Potential Generation of Cancer Stem Cells During Arsenic-Induced Malignant Transformation of Human Urogenital Stem/Progenitor Cells

3. Molecular and Cell Biology I (Crystal Ballroom I)

Moderators: Orla Casey, Ph.D., and Kristen Jacobsen

Suhwan Chang, Mouse Cancer Genetics Program
Functional Analysis of Unclassified Variants in BRCA1 Using Embryonic Stem (ES) Cell-Based Assay

Rashmi Jalah, Vaccine Branch
DNA Delivery of Optimized IL-15 Vectors Results in High Plasma Levels in Mice and Macaques

Viraj Kulkarni, Vaccine Branch
Optimization of Antigen Expression for DNA-Based Vaccines Against SIV/HIV

Benu Brata Das, Laboratory of Molecular Pharmacology
DNA Damage Induces Phosphorylation at Ser81 of the DNA Repair Enzyme Tyrosyl-DNA Phosphodiesterase (Tdp1): Exploring Its Implication in DNA Repair Processes

Daniel Fitzgerald, Laboratory of Molecular Pharmacology
Tumor Cell-Microenvironmental Interaction in a Xenograft Model of Breast Cancer Brain Metastasis and Pigment Epithelium-Derived Factor as a Suppressor of Brain Metastasis

4. Signal Transduction and Gene Transcription and Genomics, Proteomics, and Bioinformatics Combined (Conference Rooms 5-6)

Moderators: Ewy Mathe, Ph.D., and Swati Choksi, Ph.D.

Qian Zhang, Mouse Cancer Genetics Program

Compensatory Receptor Tyrosine Kinase (RTK)–Mediated Signaling upon Genetic Inactivation of EGFR in an Inducible Mouse Model of Glioblastoma

Jian-Jiang Hao, Experimental Immunology Branch

Phospholipase C–Mediated Hydrolysis of PIP2 Releases ERM from Lymphocyte Membrane/Cortex

Snehalata Pawar, Laboratory of Cell and Developmental Signaling

C/EBP δ Inhibits Growth of Breast Epithelial Cells by Repression of Cyclin D1 Expression

Szu-Min Hsieh, Laboratory of Cancer Biology and Genetics

Germline Single Nucleotide Polymorphisms in Breast Cancer: Three Independent Patient Cohort Studies

John Simmons, Laboratory of Cancer Biology and Genetics

Defining the Functional Role and Protein Partners of Tumor Suppressor Candidate 1 (*TUSC1*) in Lung Cancer

3:30 p.m. **Break**

3:30 p.m. **Career Fair** (*Conference Rooms 1-3 until 9:00 p.m.*)

4:00 p.m. **Concurrent Workshops II**

1. Academia, Institute, or Industry: Which Destination Is for You? (*Crystal Ballroom I*)

Najib El-Sayed, Ph.D., University of Maryland, College Park

Giorgio Trinchieri, M.D., Laboratory of Experimental Immunology, CCR, NCI

Claudia A. Stevenson, Ph.D., Novartis Institutes for Biomedical Research, Inc.

Bill Lindstaedt, M.S., University of California, San Francisco

Moderators: Thomas Paul, Ph.D., and Arti Santhanam, Ph.D.

2. How to Set Up a Lab (*Conference Rooms 5–6*)

Steven Hou, Ph.D., Mouse Cancer Genetics Program, CCR, NCI

Benjamin Woodward, M.B.A., University of Maryland, College Park

Ana Gamero, Ph.D., Laboratory of Experimental Immunology, CCR, NCI

Moderators: Christian Capitini, M.D., and Gonzalo de la Rosa, Ph.D.

5:45 p.m. **General and Mentored Dinner** (*Grand Ballroom – First Floor*)

7:30 p.m. **Poster Session II** (*Crystal Ballroom II*) *Categories are subject to change*

Molecular and Cell Biology II

Immunology and Genetics

Signal Transduction and Gene Transcription

Clinical and Translational Research

9:45 p.m. **Adjourn**

Wednesday, March 5, 2008

7:00 a.m. **Continental Breakfast** (*Crystal Ballroom Foyer*)
Registration Open

8:00 a.m. **Plenary Session IV** (*Crystal Ballroom I*)

Keynote Speaker IV: “Molecular Regulation of Brain Metastasis of Breast Cancer”

Patricia S. Steeg, Ph.D., Laboratory of Molecular Pharmacology, CCR, NCI
Moderators: Arti Santhanam, Ph.D., and Veronica Hall, Ph.D.

9:00 a.m. **Break**

9:15 a.m. **Concurrent Oral Presentations II [order of presenters is subject to change]**

1. Molecular and Cell Biology II (Crystal Ballroom I)

Moderators: Thomas Paul, Ph.D., and Poonam Tewary, Ph.D.

Veenu Tripathi, Laboratory of Experimental Carcinogenesis

Restoration of DLC1 Gene Expression Inhibits Cell Growth and Tumorigenicity of Aggressive, Androgen-Independent Human Prostate Cancer Cells: Prospects for Gene Therapy

Xuyu Yang, Laboratory of Experimental Carcinogenesis

DLC1 RhoGAP Protein with Tumor Suppressor Function Binds to RASA1p120RasGAP and Modulates Rho A GTPase Activity: Potential Therapeutic Implication in Cancers with Ras Mutation

M. Raza Zaidi, Laboratory of Cancer Biology and Genetics

A Novel Mouse Model for Isolation of Green Fluorescent Protein (GFP)–Labeled Melanocytes

Kundan Sengupta, Genetics Branch

Position of Human Chromosomes Is Conserved in Mouse Nuclei, Indicating a Species-Independent Mechanism

Benjamin Macadangdang, Laboratory of Cell Biology

P-glycoprotein Silencing Using Antigen Peptide Nucleic Acid Molecules *In Vitro*

2. Immunology and Genetics (Conference Rooms 5–6)

Moderators: Gonzalo de la Rosa, Ph.D., and Kristen Jacobsen

Martin Guimond, Pediatric Oncology Branch

Elevated IL-7 During Lymphopenia Alters the Capacity of Antigen-Presenting Cells to Support the Homeostatic Peripheral Expansion of Naive CD4 Lymphocytes

Wenqing Li, Laboratory of Molecular Immunoregulation

Development and Maintenance of T Cells Requires IL-7 Posttranslational Regulation of Anti-Apoptotic Protein Mcl-1 and Pro-Apoptotic Bim

Nikolaos Tountas, Cancer and Developmental Biology Laboratory

Genetic Elimination of Drosophila Herp Function Decreases Fly Survival During ER Stress

Jessica Walrath, Mouse Cancer Genetics Program

Identification of *Sox11* as a Potential Modifier of Tumor Development in the *NPCis* Mouse Model

Meghaan Walsh, Pediatric Oncology Branch

PT-100 Causes Tumor Regression by Accelerating Tumor-Induced T-Cell Priming

3. Clinical and Translational Research (Conference Room 4)

Moderators: Brid Ryan, Ph.D., and Christian Capitini, M.D.

Ryan Henning, Medical Oncology Branch

Morphological Response of Tumor Histology in a Phase I Trial of Sorafenib and Bevacizumab

Sharon Glynn, Laboratory of Human Carcinogenesis

High Expression of iNOS Is Associated with a Basal-Like Breast Cancer Phenotype and Predicts Poor Survival in Estrogen Receptor–Negative Breast Cancer

Lyndsay Murrow, Laboratory of Cellular and Molecular Biology

Identification of Wee1 as a Molecular Target in Basal-Type Breast Cancer by an siRNA Screen of the Kinome

Vinod Vathipadiekal, Cell and Cancer Biology Branch

Microarray-Based Approach to Identify the Cancer Stem Cell Gene Signature from Advanced Stage Papillary Serous Ovarian Adenocarcinoma Side Population

Engy Hanna, Surgery Branch

Cytotoxic Gene Therapy Targeting Tumor Vasculature: AAV/Phage Hybrid Vector-Expressing Diphtheria Toxin A

10:45 a.m. **Break**

11:00 a.m. **Concurrent Workshops III**

1. International Career Opportunities (*Crystal Ballroom I*)

Astrid-Christina Koch, Ph.D., Delegation of the European Commission

Mark Simone, Pfizer Global Research and Development

JynnGoh, Contact Singapore

Moderators: Andy Stewart, Ph.D., and Maja Bumke Scheer, Ph.D.

2. Scientific Management (*Conference Rooms 5–6*)

Timothy Quigg, M.P.A., University of North Carolina at Chapel Hill

Douglas Lowy, M.D., Deputy Director, CCR, NCI

Moderators: Jonathan Jacobs, Ph.D., and Julie Garcia, Ph.D.

12:30 p.m. **Mentored and General Lunch with Travel Awards** (*Grand Ballroom – First Floor*)

1:45 p.m. **Questionnaire and Closing Comments from the Retreat Committee**

2:00 p.m. **Adjourn**

**2008 CCR Fellows and Young Investigators Retreat
Travel Award Winners**

Congratulations!

Eight \$1,000 Travel Awards

Sponsored by the CCR Office of the Director

Outstanding Oral Presentations

Snehalata Pawar

M. Raza Zaidi

Aaron Schetter

Daniel Fitzgerald

Outstanding Poster Presentations

Jie Li

Jong Heun Lee
Lisa Wright Nolan
Anil Shanker